

# Menitha A

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## Professional Summary

MCA fresher with skills in Python, Django, SQL, and REST APIs, experienced in building full-stack and AI-driven applications. Worked with Google APIs, NLP, and computer vision for back-end automation and data processing. Strong in debugging, API integration, and database management. Seeking a Python/Django or Backend Developer role.

## Technical Skills

**Languages:** Python, Java, SQL

**Web Technologies:** HTML, CSS, JavaScript, Bootstrap, Django

**Tools & Platforms:** Git, GitHub, YOLO, OpenCV

**Concepts:** Data Structures, Object-Oriented Programming, Database Optimization

## Projects

### Secure AI-Powered Email & Meeting Assistant

2025

- Architected a Django REST API integrating Gmail and Google Calendar using OAuth 2.0 for secure communication.
- Implemented an NLP-based email classifier achieving 85% accuracy in message categorization.
- Streamlined meeting scheduling workflows, reducing manual steps by 40%.
- Boosted user productivity by simplifying communication tasks for a pilot group of 10+ users.

### Vision-Based Object Recognition System

2024

- Built a real-time object detection prototype using YOLO and OpenCV with 30 FPS processing capability.
- Achieved 85% detection accuracy across multiple object categories after model tuning.
- Integrated a text-to-speech module reducing alert response time to 0.5 seconds.
- Strengthened accessibility for visually impaired users through responsive navigation assistance.

### AI Group Expense Advisor - Web Application

2024

- Developed a full-stack expense tracking platform using Django, PostgreSQL, and Bootstrap.
- Established a validation pipeline ensuring 100% accurate expense entries during testing.
- Generated a budgeting insights module improving planning effectiveness by 30%.
- Supported group-based expense handling with 50+ test transactions.

## Internship Experience

### Python Full-Stack Developer Intern, AICTE Virtual Internship

2025

- Created 5+ modules for task management system using Django and PostgreSQL.
- Constructed 10+ REST APIs supporting user tasks, authentication, and dashboards.
- Crafted 3 interactive dashboards with JavaScript and Bootstrap.
- Participated in debugging and documentation, improving workflow efficiency by 20%.

### Python Programming Intern, MakeVision

2024

- Developed a real-time object recognition prototype using Python and YOLO, detecting 25+ objects during testing.
- Wrote 600+ lines of code enabling smooth 30 FPS live video processing for reliable tracking.
- Added a text-to-speech alert feature that improved response time to under 1 second for users.
- Performed 50+ debugging and validation cycles to enhance system stability and accuracy.

## Education

### SRM Institute of Science and Technology

Chennai, India

Master of Computer Applications; CGPA: 9.37/10

2024 – Present

### Sri Vijay Vidyalaya College of Arts and Science

Dharmapuri, India

Bachelor of Computer Applications; CGPA: 8.67/10

Graduated: 2024

## Certifications

SQL (Advanced): HackerRank Advanced SQL Certification

Python Programming: Udemy Python Development Course